

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	2	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 09/10/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:				
3. ORDER NO. 68HERC19F0291		4. REQUISITION/REFERENCE NO. PR-ORD-19-01049		a. NAME OF CONSIGNEE ORD/OARS/EMD/CIN				
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency OARS EMD Cincinnati Division 26 West Martin Luther King Drive Mail Code: WG-12				
				c. CITY Cincinnati		d. STATE OH	e. ZIP CODE 45268	
7. TO: Robert Toth				f. SHIP VIA				
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
b. COMPANY NAME								
c. STREET ADDRESS 9300 LEE HIGHWAY				<input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.				
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1				
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB						12. F.O.B. POINT		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 09/09/2020		16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination						
17. SCHEDULE (See reverse for Rejections)								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: MAUREEN JOHNSON Max Expire Date: 09/09/2020 Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$93,396.00	17(h) TOTAL (Cont. pages) ▲
	21. MAIL INVOICE TO:							
	a. NAME		RTP Finance Center				\$93,396.00	17(i) GRAND TOTAL ▲
	b. STREET ADDRESS (or P.O. Box)		US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts					
c. CITY		d. STATE	e. ZIP CODE					
	Durham		NC	27711				
22. UNITED STATES OF AMERICA BY (Signature)				09/10/2019		23. NAME (Typed) William M. Yates TITLE: CONTRACTING/ORDERING OFFICER		

ORDER FOR SUPPLIES OR SERVICES

PAGE NO

SCHEDULE - CONTINUATION

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER		CONTRACT NO.			ORDER NO.	
09/10/2019		68HERC19D0003			68HERC19F0291	
ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	<p>Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Period of Performance: 09/10/2019 to 09/09/2020</p> <p>Contract 68HERC19D0003 Task Order 13 Support for Updating Web Content on NCEA Websites.</p> <p>Accounting Info: 19-20-C-262H000-000F84-2532-26A5C-1926 2HC903-001 BFY: 19 EFY: 20 Fund: C Budget Org: 262H000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19262HC903-001 Funding Flag: Complete Funded: \$79,963.58</p> <p>Accounting Info: 19-20-C-262H000-000FK7XR4-2532-26A5C-1 9262HC903-002 BFY: 19 EFY: 20 Fund: C Budget Org: 262H000 Program (PRC): 000FK7XR4 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19262HC903-002 Funding Flag: Complete Funded: \$13,432.42</p>				93,396.00	
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))					\$93,396.00	

PERFORMANCE WORK STATEMENT (PWS)
CONTRACT NO. 68HERC19D0003
Task Order 68HERC19F0291

TITLE: Support for Updating Web Content on NCEA Websites

Specify Section & Paragraph SOW: III.C.

PERIOD of PERFORMANCE: CO approval through end of the 1st Option Year

I. PURPOSE.

The purpose of this task order is to obtain technical support services to the US Environmental Protection Agency's (EPA), Office of Research and Development (ORD), National Center for Environmental Assessment (NCEA) for revisions to the EPA Risk Assessment website, the DIOXIN website, the ISA website, the Regional Monitoring Networks (RMN) website, the Human Health Risk Assessment (HHRA) website, the EPA-ExpoBox (a toolbox for exposure assessors) website, and the EPA-EcoBox (a toolbox for ecological risk assessors) website.

This is a new assignment to be conducted under contract number 68HERC19D0003.

II. BACKGROUND AND OBJECTIVES.

The sites listed above are all web areas that support the mission of EPA and the work of staff from NCEA. They were developed to serve as EPA resources and tools to provide easy access to important products and materials. Since the launch of many of these sites back in 2015, content may have become dated and needs to be reviewed and refreshed based on comments received on the websites. Periodic maintenance of the content on these sites is necessary to ensure they remain as a prominent source for the public.

III. STATEMENT OF WORK (SOW).

The contractor shall be responsible for completion of five tasks. A summary of each task is provided below, including the time frame during which the task shall be completed.

Task 1. The contractor shall establish communication, submit a work plan, and arrange for routine updates for the EPA TOPO.

The contractor shall schedule an initial conference call **within 2 weeks** after the receipt of the PWS. The call shall include the TOPO and relevant members of the ICF team.

Deliverable 1: The contractor shall arrange a conference call with the TOPO, **within 2 weeks after the receipt of the task order.**

Task 2. The contractor shall review the website content, provide written updates (in plain

English web text), and provide broken link updates on the specified EPA websites.

Here is the list of NCEA maintained websites under this TO:

1. <https://www.epa.gov/risk>
2. <https://www.epa.gov/dioxin>
3. <https://www.epa.gov/isa>
4. <https://wcms.epa.gov/rmn> (this website is in development)
5. <https://wcms.epa.gov/human-health-risk-assessments-hhra> (this website is in development)
6. <https://www.epa.gov/expobox>
7. <https://www.epa.gov/ecobox>

The contractor shall review the exiting web text on the listed websites (step 1) and provide written updates of suggested web text (step 2). The contractor shall also receive (step 3) a maximum of 2 broken link reports (per website) from the TOPO annually and be requested to provide new links or corrections to the broken or redirected links. The contractor shall record any written updates made to specific web pages using a spreadsheet or system maintained under the new task order for this contract.

Deliverable 2a: The contractor shall review the current web text on each website and look on the EPA website for any new or relevant content to these topical pages **at intervals to be designated by the TOPO.**

Deliverable 2b: The contractor shall provide written updates to the web text (delivered under 2a) **within 2 weeks of receiving technical direction to proceed from the TOPO.**

Deliverable 2c: The contractor shall provide replacement links for broken links and/or links to outdated tools **within 2 weeks of receiving EPA Broken Link requests from the TOPO.**

Task 3. The contractor shall update the web pages on the specified EPA websites

Upon receipt of receiving approved web content updates from the EPA (specific to Task 2 above), the contractor will make these updates to pages in Drupal, staging (step 1) EPA review **after receiving written direction from the TOPO (for each website).** The contractor shall receive access to the Drupal staging areas from the TOPO to provide these updates. The contractor shall record an explanation of any changes made to the web text, and their specific pages, using a spreadsheet or system maintained under the new task order for this contract.

Deliverable 3: The contractor shall update the web text and provide staging links on each website **at intervals (typically 1-3 week estimated) to be designated by the TOPO.**

Task 4. The contractor shall assist in addressing comments received from these websites

The contractor shall assist EPA in addressing 10 or less comments/questions received on these websites (per month) (listed in Task 2), as needed. The contractor shall prepare and submit to the TOPO draft responses **within 1 week after receiving comments/questions from the TOPO**. If needed the contractor will provide updated web text (assigned under Task 3), as needed, to support issues identified by comments received on these websites. For the purpose of preparing the work plan and cost estimate for this task order, the contractor shall assume that, if any, only minor comments/questions will be received, and web text updates may be moved to the work assigned under Tasks 2 and 3. The list of comments/questions and their resolution shall be tracked using a spreadsheet or system maintained under this task order.

Deliverable 4: The contractor shall prepare and submit responses to the comments/questions, and any proposed changes to the toolbox, **within 1-2 weeks of being assigned by the TOPO**.

Task 5. The contractor shall provide information to update the Master Tool Lists

A Master Tool List (MTL) underlies the backbone of two of the websites listed in Task 2, these include the **EPA ExpoBox** and **EPA-EcoBox** websites. The MTL was first developed under work assignments 0-13, 1-13, 2-13, 3-13, 4-13, 1-50, 2-50, 3-50, and 4-50 from contract EP-C-14-001 but shall be maintained by the contractor under this task order to continue support of these important products.

Under Task 5, the contractor shall provide the necessary information to revise and maintain the MTL, as needed, to correct broken links (Task 2), to incorporate any new tools that have been identified from comments/questions on the Toolbox (Task 4), and to add tools based on the revision of existing content (Task 3). The contractor shall ensure that any new or updated tools have been appropriately assigned to the various Tool Sets, modules, and sub-modules (many of the tools will be applicable in more than one module or sub-module), and that accurate tool descriptions and key words are provided. The contractor shall submit all of the draft information necessary to revise and update the MTL to the TOPO for comment. **Within 1 week after receiving comments from the TOPO**, the contractor shall submit the final information necessary to update the MTL.

Deliverable 5a: The contractor shall conduct a maximum of 2 comprehensive reviews of the links in the MTL as a result of receipt of an EPA Broken Links request described in Task 2 **within 3 weeks of receiving written direction to proceed from the TOPO**.

Deliverable 5b: The contractor shall submit to the TOPO draft information necessary to revise and update the MTL **within 2 weeks after completing deliverable 5a**

Deliverable 5c: The contractor shall submit the final information necessary to update the MTL to the TOPO **within 1 week after the receipt of the TOPO's comments on Deliverable 5b**.

The contractor shall furnish electronic copies of (or internet links) to any references or other materials obtained in the preparation of the deliverables for this task order.

IV. TIME TABLE.

Task	Deliverable	Time frame
1a	Establish communication via conference call	Within 2 weeks after receipt of this task order.
2	The contractor shall review the content and provide written updates (in plain English web text) on the specified EPA websites.	2a. At intervals to be designated by TOPO. 2b. Within 2 weeks of receiving technical direction from the TOPO 2c. Within 2 weeks of receiving a broken links request from the TOPO
3	The contractor shall update the web pages on the specified EPA websites	Within 1-3 week of being assigned by TOPO
4	The contractor shall assist in addressing comments received from these websites	Within 1-2 weeks of being assigned by TOPO
5	The contractor shall address comments/updates to the Master Tool Lists supporting the EPA-ExpoBox and EcoBox websites.	5a. Within 3 weeks of being assigned by TOPO 5b. Within 2 weeks of completing deliverable 5a. 5c. Within 1 week of receipt of comments from the TOPO

1. The contractor shall be responsible for obtaining a conflict of interest certification for any subcontractor services.
2. All deliverables shall be in conformance with the requirements of the task order before such deliverables are approved as final. Electronic copy of all deliverable shall be sent to the EPA Project Officer (PO).
3. The contractor shall comply with other applicable requirements for final task order reports as stipulated in the Contractual Agreement.
4. The contractor shall prepare all deliverables in accordance with the Quality Management Plan for the contract.

V. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS TASK ORDER.

Guidance is strictly limited to technical and analytical support. The contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

If the contractor receives any instructions from an EPA staff person that the contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or task order, the contractor shall immediately notify the TOPO. The contractor shall also ensure that work under this Task order does not contain any apparent or real personal or organizational conflict of interest. The contractor shall certify that no conflicts exist at the time the proposal is submitted to the EPA.

VII. EPA CONTACT INFORMATION.

Copies of all correspondence pertaining to the performance of this task order shall be sent electronically to the TOPO.

Task Order Project Officer

Maureen Johnson

US EPA (8601R)

National Center for Environmental Assessment

Office of Research and Development

U.S. Environmental Protection Agency

1200 Pennsylvania Ave. NW

Washington, DC 20460

Telephone #: (202) 564-6738

Email: johnson.maureen@epa.gov

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CPOD	
6. ISSUED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0291	
				10B. DATED (SEE ITEM 13) 09/10/2019	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: MAUREEN JOHNSON Max Expire Date: 09/09/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this modification is to add an alternate TOCOR (Britta Bierwagen) for this task order.

Alternate COR/Project Officer changed to : BRITTA BIERWAGEN

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 09/12/2019

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0291/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/10/2019 to 09/09/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C					
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD		CAD		CPOD		CPOD	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0291			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 09/10/2019			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: MAUREEN JOHNSON Max Expire Date: 11/09/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this administrative modification will be to extend the period of performance ending date by two months.							
Period of Performance End Date changed from 09-SEP-20 to 09-NOV-20							
Maximum Potential Expiration Date changed to : 11/09/2020							
CHANGES FOR LINE ITEM NUMBER: 1							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 ELECTRONIC SIGNATURE (Signature of Contracting Officer)		09/08/2020	

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR DELIVERY LOCATION: ORD/OARS/EMD/CIN Delivery Date changed from 09/09/2020 to 11/09/2020 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/10/2019 to 11/09/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CPD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 072648579		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0291	
				10B. DATED (SEE ITEM 13) 09/10/2019	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule

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CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
DUNS Number: 072648579
TOCOR: MAUREEN JOHNSON Max Expire Date: 11/09/2020
The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED 10/07/2020

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	68HERC19D0003/68HERC19F0291/P00003	2	2

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/10/2019 to 11/09/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE	OF	PAGES
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020	4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)		
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE		
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors			<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER		
			<input type="checkbox"/>		9B. DATED (SEE ITEM 11)		
			<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders		
			<input type="checkbox"/>		10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/17/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE HPOD	
3. ORDER NO. 68HERC19F0299		4. REQUISITION/REFERENCE NO. PR-OCSPP-19-00386			
5. ISSUING OFFICE (Address correspondence to) HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.					
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 9300 LEE HIGHWAY				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 09/16/2020	
				16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: Ariel Hou Max Expire Date: 09/16/2020 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$101,552.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$101,552.00
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 09/17/2019

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ELECTRONIC SIGNATURE

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/17/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0299
-----------------------------	-------------------------------	----------------------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Period of Performance: 09/17/2019 to 09/16/2020</p> <p>ICF Contract Number 68HERC19D0003 TO 0012. These funds will provide initial funding for the task order supporting OPPT's chemical prioritization and risk evaluation activities under TSCA. Additional incremental funding is needed. The ORD COR is Melissa Revely-Wilson, the Contracting Officer is William Yates and Ariel Hou is the OPPT TOCOR. Multiple funding is used.</p> <p>Accounting Info: 19-20-B-69A-000CD6-2505-TC6PHXP-1969AC 9035-001 BFY: 19 EFY: 20 Fund: B Budget Org: 69A Program (PRC): 000CD6 Budget (BOC): 2505 Job #: QT6ZZZZZ Cost: TC6PHXP DCN - Line ID: 1969AC9035-001 Funding Flag: Complete Funded: \$50,000.00</p> <p>Accounting Info: 19-20-B-69A-000CD6-2505-TC6EEAS-1969AC 9035-002 BFY: 19 EFY: 20 Fund: B Budget Org: 69A Program (PRC): 000CD6 Budget (BOC): 2505 Job #: QT6ECROS Cost: TC6EEAS DCN - Line ID: 1969AC9035-002 Funding Flag: Complete Funded: \$51,552.00</p>				101,552.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$101,552.00

RISK ASSESSMENT DIVISION (RAD)

REQUEST FOR TASK ORDER PROPOSAL

PROJECT TITLE:

**SUPPORT for OPPT's CHEMICAL PRIORITIZATION and RISK EVALUATION
ACTIVITIES UNDER TSCA**

Contract# 68HERC19D0003

Task Order # 68HERC19F0299

Main TOCOR : Ariel Hou

Alternate: Nerija Orentas

A. STATEMENT OF WORK (SOW)

Background and Purpose:

Background

The Office of Pollution Prevention and Toxics (OPPT) of the U.S. Environmental Protection Agency (EPA) is responsible for work under several statutes including, principally, the Toxic Substances Control Act (TSCA), the Frank R. Lautenberg Chemical Safety for the 21st Century Act that amended TSCA, and the Pollution Prevention Act of 1990 (PPA). The mission of the office is to assure that industrial chemicals are designed, manufactured, processed, and used in ways that maximize their benefits to society and minimize their impacts on human health and the environment; encourage the replacement of older, more hazardous chemicals and technologies with new, safer alternatives; and work to harness the use of pollution prevention technologies, whenever feasible.

OPPT's Risk Assessment Division (RAD) is responsible for health and environmental hazard and risk evaluations of chemicals regulated under the Frank R. Lautenberg Chemical Safety for the 21st Century Act. Among other things, the amended TSCA requires EPA to conduct risk evaluations of existing chemicals to determine whether a chemical substance presents an unreasonable risk of injury to health or the environment. The statute requires EPA to conduct these evaluations without consideration of costs or other non-risk factors and considering potentially exposed or susceptible subpopulation when making the determination whether a chemical poses unreasonable risks under the conditions of use. Most of the technical work occurs in OPPT/RAD but other divisions in OPPT may also engage in technical activities to support the implementation activities under the amended TSCA.

Furthermore, the amended TSCA requires that EPA adhere to specific provisions regarding scientific standards, weight of evidence, and availability of information as articulated in TSCA sections 26 (h), (i) and (j), respectively.

EPA is currently in the process of completing the risk evaluations for the first 10 chemicals that started the process in December 2016. EPA is also in the process of prioritizing the next 20 chemicals substances that must undergo risk evaluation under the amended TSCA. By December 22, 2019, EPA must have designated at least 20 chemical substances as High-Priority and 20 chemical substances as Low-Priority. Immediately after publishing the final designations, EPA must initiate the risk evaluation process for the 20 High-Priority substances following the process described in the EPA's final rule, *Procedures for Chemical Risk Evaluation Under the Amended Toxic Substances Control Act*¹. TSCA requires that for each risk evaluation completed on a High-Priority substance, EPA must begin a new risk evaluation ensuring a pipeline of chemicals going through the risk evaluation process.

Purpose

The purpose of this task order (TO) is to provide technical support for technical products required to meet the obligations under the amended TSCA. Specifically, the TO will focus on five primary areas supporting OPPT's existing chemicals work: (1) Technical support for the final rule on Persistent, Bio-accumulative and Toxic (PBT) Chemicals under TSCA section 6(h); (2) Prioritization; (3) Scoping /problem formulation and risk evaluation work for the next batch of 20 high priority substances and manufacturer-requested risk evaluations²; and (5) Finalization of draft risk evaluations for the first ten risk evaluations³. Details are provided in the Tasks section below.

The contractor shall have the necessary technical and scientific expertise, knowledge and experience to successfully perform all the tasks identified below. In addition, the contractor shall have a quality assurance/quality control program that maintains the quality of products, as well as an ongoing training program. This is intended to ensure that the contract staff produces quality products, and feedback from OPPT on needed improvements is communicated to the contractor's staff. The contractor shall maintain and make available upon request complete documentation of QA/QC practices and procedures.

Performance of work under this contract shall be initiated by competitive task orders issued by the Contracting Officer and will encompass tasks in following areas discussed below in Section B.

¹ <https://www.regulations.gov/document?D=EPA-HQ-OPPT-2016-0654-0108>

² <https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/list-manufacturer-requested-risk-evaluations-under-tsca>

³ Chemical substances that have been initiated through ongoing TSCA implementation activities are as follows: Asbestos, 1-Bromopropane, Carbon Tetrachloride, 1, 4 Dioxane, Cyclic Aliphatic Bromide Cluster (HBCD), Methylene Chloride, N-Methylpyrrolidone, Perchloroethylene, Pigment Violet 29 and Trichloroethylene.

B. TASKS

TASK 1: Project Management and QAPP Requirements (Executed)

Project Management

The Contractor shall provide a Project Manager. The Contractor Project Manager shall report on all aspects of the objectives and progress of this contract to the designated EPA Contracting Officer (CO) and EPA Task Order Contracting Officer Representative (TOCOR) via email, through monthly reports. The Contractor Project Manager also plans, conducts and supervises Task Order (TO) projects, necessitating advanced knowledge and the ability to originate and apply new and unique methods and procedures. The Contractor Project Manager provides advice and counsel to other professionals. The Contractor Project Manager shall notify via email the relevant EPA TOCOR/Alternate TOCOR of any significant difficulties in accomplishing the tasks listed in the TOs.

In cases where performance objectives and minimum Acceptable Quality Levels (AQLs) are not being met, the Contractor Project Manager will make every effort to immediately correct the problems to ensure customer satisfaction. If the problem persists, the Project Manager will submit a plan of corrective action to the EPA TOCOR and the Contract Level COR. The Contractor Project Manager shall ensure that the approved Quality Assurance (QA)/Quality Control (QC) process is followed to ensure the quality of its products.

QAPP Requirements

The contractor shall adhere to its Quality Management Plan that is tailored for this contract. This Task Order involves the use of existing data. Accordingly, EPA policy requires that an approved Quality Assurance Project Plan (QAPP) be in place before any work begins that involves the collection, generation, evaluation, analysis or use of environmental data. The QAPP must be consistent with EPA Requirements for Quality Assurance Project Plans: EPA QA/R-5 (<https://www.epa.gov/sites/production/files/2015-06/documents/g5-final.pdf>).

* The contractor shall prepare and submit for EPA review a draft Quality Assurance Project Plan (QAPP) for Tasks 2 through 12 within 10 days of selection and before ***the initiation of the rest of the task order***. Updates to QAPP based on comments from the EPA to the QAPP must be received within 3 working days.

* EPA will review the contractor's draft QAPP and provide the Contractor with written approval or written comments.

* If needed, the Contractor shall submit a revised QAPP within 5 business days of receipt of the written comments on the draft QAPP, unless otherwise instructed by the EPA TOCOR. An acceptable QAPP must be received before the rest of the task order is initiated, no funds may be received for the following tasks until the contractor's QAPP has been approved.

* Under no circumstances shall work that involves the generation, collection, evaluation, analysis, or use of environmental data be performed by the contractor until the contractor receives written notification from the EPA TOCOR that EPA has approved the contractor's QAPP.

All QA documentation, including the QAPP, prepared under this TO, shall be considered non-proprietary, and shall be made available to the public upon request.

Additional QA Documentation Required

In addition to the requirements described above, all major deliverables (e.g., Technical Support Documents, Study Reports, Study Plans, etc.) produced by the Contractor under this Task Order must include a discussion of the QA/QC activities that were or will be performed to support the deliverable. The contractor shall immediately notify the EPA TOCOR of any QA problems encountered that may impact the performance of this Task Order, with recommendations for corrective action.

The contractor also shall provide EPA with monthly reports of QA-related activities performed during implementation of this Task Order. These monthly QA reports shall identify QA activities performed to support implementation of this task order, problems encountered, deviations from the QAPP, and corrective actions taken. The contractor may include this as a part of the contract-required monthly financial/technical progress report. The contractor shall notify the EPA TOCOR at any time during the task order if changes to the QAPP are warranted (e.g., due to organizational changes, revised technical approaches).

If, during the Period of Performance of this Task Order, the EPA TOCOR determines revisions to the QAPP are necessary, the contractor shall submit a revised QAPP, including the revision summary, within 5 business days after receiving written technical direction to do so. EPA will review the draft revised QAPP and provide the contractor with written approval or comments. The contractor shall provide a revised QAPP, then a final QAPP that responds to EPA's written comments within 5 business days of receipt of EPA's comments on the draft QAPP.

* Under no circumstances shall work involving environmental data be performed by the contractor until the contractor receives written notification from the EPA TOCOR that EPA has approved the contractor's QAPP.

Since this task order involves the collection, evaluation, and use of environmental data by and for the Agency, the contractor shall implement a quality system that meets ANSI standard E4-2014 and prepare a quality assurance project plan (QAPP) following EPA guidelines. QAPP is due within 10 days of task order award.

TASK 2. Reporting Requirements (Executed)

The contractor shall write and submit monthly progress reports to the EPA TOCOR. Progress reports shall describe completed work during the invoice period and should link to charges described in invoice documentation.

Routine progress reports shall include a written monthly technical progress report that includes the following in the case of each project that the contractor is involved in during the month: (a) an overview of work accomplished since project inception to to-date (b) a description of work accomplished during the month, (c) a summary of QA/QC activities since project inception including a summary of corrective action taken (d) a brief summary of anticipated work during the following month, (e) a summary and details of the LOE and costs incurred **for each task** and per chemical during the month and cumulatively, and (f) total remaining LOE and budget. This report shall also be issued to the Contract Level COR. Routine progress reports shall be delivered electronically; paper copies are not needed.

The Contractor shall notify the EPA TOCOR and CO when 75, 90, and 100% of approved hours have been expended. No work on the conduct of environmental data operations can begin until EPA approval of the QAPP is obtained. Work not related to environmental data operations such as scoping how environmental data may be searched for or summarized once available including refinement of keywords, criteria, or report templates may begin prior to QAPP approval.

Failure to submit monthly progress reports with the information required will result in the suspension of the invoice until such supporting documentation is provided. Any deviations from the project such as work schedules, impediments encountered, and budget require approval from the EPA CO. The EPA CO may also initiate verbal communications with the contractor on an as needed basis to determine project status.

Deliverable: Monthly Progress Reports shall be submitted to the EPA TOCOR within three (3) calendar days of invoice submission to EPA. Minimal level of effort required for this deliverable.

Task 3. Support for the final PBT rule under TSCA section 6(h)

The contractor shall provide technical support for the development of the final PBT rule under section 6(6). Activities may include but not be limited to developing draft responses to public comments, systematic review and analytical activities supporting the exposure and hazard evaluations for the following PBT chemicals: Decabromodiphenyl ethers (DecaBDE), Hexachlorobutadiene (HCBd), Pentachlorothiophenol (PCTP), Phenol, isopropylated, phosphate (3:1) and 2,4,6-Tris(tert-butyl) phenol.

Task 4 (Prioritization): Technical Support for Prioritization Activities (Executed)

For the candidate low and high priority chemicals (Appendix A), the contractor shall primarily assist with the prioritization of high priority chemicals and include activities such as the identification, compilation, characterization, analysis, synthesis, and prioritization of data sources reporting data/information on potential exposure and hazards for chemical substances

and development of dossiers. The initial list of high priority substances was selected from the updated 2014 TSCA Work Plan⁴.

Task 5 (Scoping): Literature Search and Title/Abstract Screening

Under the ICF contract EP-C-14-001 in which WA 3-103 and 4-103 was conducted under, the contractor started the process to search for relevant information and screen titles and abstracts to assess and address the potential hazards, exposure and risks to workers, the general population, consumers and susceptible populations, for the first 10 chemicals undergoing TSCA risk evaluation. This also included searching for chemistry, environmental fate information and characteristics of susceptible populations which might include age, sex, smoking status, pre-existing disease, genetic polymorphisms, socioeconomic status, race and ethnicity, body mass index, alcohol consumption, nutritional factors, and co-exposure to other chemical stressors.

The contractor shall continue this task for the list of high priority chemicals undergoing prioritization. Although not anticipated, the EPA TOCOR may also ask the contractor to run literature searches and data screening of environmental hazard data sources to inform ecological risks.

Planning with EPA's Technical Team for Additional Chemicals:

1. Identify authoritative and/or trusted sources as well as secondary review articles in the peer-reviewed literature for each discipline searched (including environmental fate, engineering, exposure, human health) to help inform the type of data to be searched. This step will inform the process of preparing protocols, including preparing eligibility criteria in the form of Population, Exposure, Comparator and Outcome (PECO) or other relevant statements.
2. Prepare PECO and other statements (there will be slight differences by discipline) that identify inclusion criteria and that will guide the literature search, title and abstract screening and subsequent full text screening.
3. Work with the EPA TOCOR and tech teams to develop exclusion criteria and design a tagging structure to organize the information. Use the tagging structures developed for the first 10 chemicals as a starting point.
4. Design search strategies for peer-reviewed and gray literature (e.g., government reports, industry websites) (as specified in the QAPP) including pilot exercises.
 - The contractor shall design searches and screening strategies that are comprehensive and as accurate as possible (that is, with as few “off-topic” studies as possible). This will include searching appropriate databases, using the most appropriate search terms as well as backwards reference searching. Forwards reference searching may also need to be used. The strategy may use systematic review tools such as the Sciome Workbench for Interactive Computer-Facilitated Text-mining (SWIFT), and DocTER, to help narrow the list of “on-topic” studies. Also, the screening will be done using DistillerSR,

⁴ <https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/tsca-work-plan-chemical-assessments-2014-update>

unless specified otherwise by TD and development or refinements of DistillerSR forms may be necessary.

- In developing the search strategies, the contractor shall consider how to obtain:
 - Information that can be used to assess and address the risks to workers, the general population, consumers and susceptible populations, and from exposure during periods of development (i.e., life stages). Characteristics of susceptible populations might include age, location, sex, smoking status, pre-existing disease, pregnancy, genetic polymorphisms, socioeconomic status, race and ethnicity, body mass index, alcohol consumption, nutritional factors, and co-exposure to other chemical stressors.
 - Information on environmental fate information. The contractor might also be asked to obtain data on physical and chemical properties although this will primarily be gathered by EPA.
 - Work with the and tech teams on the strategy for de-duplication of references, uploading to HERO
- 5. Document the searching/screening strategy, including the sources, search terms and logic, and tag structure in a protocol for each chemical and discipline (i.e., there will be one protocol per chemical per discipline).

Execution:

1. Pending OPPT approval of the protocol, conduct the literature searches and revise as needed (e.g., check whether a sample of previously identified on-topic studies were captured in the searches).
2. The contractor may assist the EPA in conducting a pilot of applying a simplified tag structure to the literature (e.g., identifying the chemical and discipline - human health for example). If necessary, the pilot tagging will be conducted by two literature screeners per discipline (this may include one screener from ICF and one from EPA, but this will be specified in TD from the EPA TOCOR). These two screeners will review and tag the same references. EPA will resolve any discrepancies in tagging. The tagging will be done using an approach specified by the EPA TOCOR.
3. Revise the protocol as necessary based on the pilot and document changes in the protocol.
4. Implement full tagging with two literature screeners; EPA screeners may also be involved in this screening step.
5. All final tags will be uploaded in the Health and Environmental Research Online (HERO).

Assessment:

1. Check that the search results reflect a comprehensive search. This could be done, for instance, by doing backwards reference searching using authoritative or trusted literature sources, or by using additional experts. The contractor should identify additional ways to do this assessment.

2. Check that the tags were applied accurately to a sample of references for each discipline.
3. Check that the results were uploaded correctly into HERO.

Assumptions for Costing Purposes:

For costing purposes, the contractor shall make the following assumptions (note that these are assumptions and may change when the actual work is conducted):

Planning with EPA's Technical Team:

- Each ICF discipline lead, deputy, and researcher/note taker (see staffing plan) shall meet with their respective EPA(OPPT)technical team for up to 12 hours of total meeting time while executing this task.
- There shall be two rounds of review before each discipline's chemical protocols shall be considered ready for execution

Execution:

- The contractor shall assume that on average 7,500 references shall be tagged for each chemical across all disciplines and that tagging could take 1 minute per reference per screener.
- There shall be one round of updating each discipline's Protocol following the pilot tagging before it shall be considered final.
- Assume that 2,000 references per chemical shall be on-topic and the 5% of the pdfs will be manually uploaded to HERO with each reference taking 5 minutes to upload.

Assessment:

- EPA anticipates 20 hours of QA per chemical performed by each ICF discipline lead during the literature search and tagging to ensure that the searches are as comprehensive as possible, and tags are applied accurately.

If the actual time to review the references differs substantially from this estimate, or if the total number of studies to be tagged is higher or lower, the contractor shall contact the EPA TOCOR to determine the appropriate next steps.

When performing the literature searches, the contractor shall communicate with the EPA TOCOR and technical contacts regularly to ensure that searches are refined and focused.

The EPA TOCOR (through the Federal HERO Staff) will provide HERO access to expert authors and relevant personnel, both Federal and state.

If needed, revisions to this literature search strategy may be made based on TD from the EPA TOCOR. Although not anticipated, the EPA TOCOR may also ask the contractor to run literature searches to inform ecological risks.

Deliverable Schedule:

- All studies for newly identified chemicals imported into HERO from the Literature Search, and the empty Tag Tree set up on each Project Page: to be specified by written TD from the EPA TOCOR.
- The contractor shall document the literature strategy and screening/sorting protocol in a document that will be provided to the EPA TOCOR as a deliverable. This document should include, as a minimum, the following information:
 - keywords used and databases searched,
 - number of references found in each database (PubMed, etc.)
 - Tag Tree to be used for screening/sorting the references in each project (chemical) (this may be as simple as including on-topic and off-topic references by chemical and discipline).
- Literature search and screening protocol: to be specified by written TD from the EPA TOCOR.

Task 6 (Scoping): Full-Text Screening

As directed by the EPA TOCOR in written technical direction, the contractor shall conduct full-text screening of the on-topic literature identified in Task 5 to identify data/information that are potentially relevant for the risk evaluation. If necessary, the contractor shall update the PECOs and other statements in conjunction with EPA and then develop exclusion criteria to filter out studies that are not relevant for the assessment. The contractor shall document the exclusion criteria for each question in the Protocol for each chemical and discipline.

Pending the EPA TOCOR approval of the Protocol, the contractor shall apply the exclusion criteria to the on-topic studies and update the Protocol as necessary during implementation. Titles and abstracts may be sufficient to screen some data sources for relevance, while full text review may be needed for other data sources. The screening will be done using DistillerSR, unless specified otherwise by TD, and the results will be uploaded into HERO. Following screening, the ICF discipline lead will check that the exclusion criteria were applied accurately and that the results were uploaded correctly into HERO.

For costing purposes, the contractor shall assume that 6,000 on-topic references (for all the disciplines) will require full text screening. EPA estimates this would take approximately 10 minutes/study

When performing the screening, the contractor should communicate with the EPA TOCOR and technical contacts regularly to ensure that the screening process fits EPA's needs and that the EPA TOCOR and ICF Team Leader solve any issues in a timely manner. Additionally, if the actual time to review the references differs substantially from this estimate, or if the total number of studies to be categorized is higher or lower, the contractor shall contact the EPA TOCOR to determine the appropriate next steps.

Deliverable Schedule:

- The schedule for full-text screening literature and tagging references will be clarified by written TD from the EPA TOCOR.
- The contractor shall also provide documentation of the number of references screened and selected, including criteria-based rationale for including and excluding records. Note that the review of title and abstract may be sufficient to screen some data sources for relevancy, while full-text review may be needed for other data sources.
- The contractor shall also provide flow diagrams that graphically illustrate the number of titles, abstracts, and full articles reviewed during the literature search process

Task 7 (Scoping): Development of Evidence Maps

As directed by the EPA TOCOR in written technical direction, the contractor shall develop evidence maps for hazard and/or exposure information supporting scoping/problem formulation activities. Using information from Tasks 5 and 6, EPA may ask the contractor to explore data visualization of various subsets of information to facilitate the identification of relevant evidence to assist scoping/problem formulation activities. The EPA TOCOR will provide written guidance on the methods and/or approaches to be used or expectations for the development of the maps in the case that the Contractor assists with method development.

For background information on evidence mapping, please refer to the following scientific paper:

Wolffe, T.A.M, et al. (2019). Systematic evidence maps as a novel tool to support evidence-based decision-making in chemicals policy and risk management. Environment International 130, 104871.

For costing purposes for this TO, please assume that 10 human health evidence maps will be produced in the current option year.

Task 8 (Draft Risk Evaluations): Evaluate the Reliability (Quality) of Studies

Following the screening for relevance, the contractor shall screen studies for reliability to determine whether the information is of appropriate quality to be used in the risk evaluation [either for quantitative assessment or as supporting studies used in a weight of evidence (WOE) evaluation]. As necessary, the contractor shall provide and manage experts to perform this task done in the previous ICF contract EP-C-14-001 WA 4-103 (see task 12).

EPA will provide the evaluation strategies (including data quality criteria) that the contractor shall use for the reliability screening by discipline. However, the EPA TOCOR may ask the contractor to develop and/or refine an approach for conducting the reliability screening if needed. Study quality evaluations should be independent of considerations regarding the direction or magnitude of study results.

The contractor may also conduct a first-tier data evaluation that will allow EPA to develop the conceptual model and analysis plan. The EPA TOCOR will issue a chemical-specific TD to specify the level of data review and summarization.

The contractor shall provide the results of the data quality screening to the EPA TOCOR for review. These reviews may be conducted in DistillerSR. The EPA TOCOR will determine which studies will be acceptable for use and communicate their decision to contractor before moving to next step.

For purposes of costing, the contractor should assume that within the current option year 100 studies will be evaluated for reliability with a single reviewer (EPA will be expected to be the second reviewer).

Deliverable Schedule: The EPA TOCOR will issue written TD clarifying the schedule for the evaluation of studies according to this task (#8).

Task 9 (Draft Risk Evaluations): Summarize the Results of Data Reliability (Quality) and Extract Study Details into Tables

The results of the data reliability (quality) evaluation should be exported from the relevant software program used for evaluation (e.g., Distiller) into tables to be included in the risk evaluations.

In addition, because EPA must be transparent regarding the data considered and used for risk assessment purposes, the contractor shall extract and tabulate information by discipline for the reliable studies identified in Task 8. The contractor shall work with the EPA TOCOR to identify the data elements to be included in the study tables and develop draft table templates and include them in the Protocol for EPA review and approval prior to extracting any information. Tabulated information will include, at a minimum, the study citation, the HERO identification number, and those data elements agreed by EPA. The data elements shall be documented.

Templates for both sets of tables (data reliability/quality results and extraction of study information) for the next set of chemicals should build on the work done on the first 10 TSCA chemicals.

The contractor shall perform a quality assurance check for the data tables prior to delivering them to the EPA TOCOR. Quality assurance checks will include, but not be limited to, comparing table entries and/or data elements in tables to information in the software program, from the original publication and checking conversions as appropriate (e.g., ppm to mg/m³). The quality assurance check will be performed by a scientist that was not involved in the initial development of the table being reviewed.

The EPA TOCOR may request the contractor to do this task by written TD. For purposes of estimating costs for this task order for the current option year the contractor shall assume data evaluation and extraction for 100 studies focused on human health (epidemiology, animal

toxicity and in vitro studies) and will also assume that the templates and coding from the first 10 chemicals will be used.

Deliverable Schedule: The schedule for the data tables will be clarified by written TD from the EPA TOCOR.

Task 10: Activities Supporting the Integration of Information and Other Technical Support (Executed)

EPA may request the contractor to provide support for the following activities related to data integration (separate from any activity conducted in Task 7). This work may be required for the TSCA first 10 chemicals or may be required for the next set of TSCA chemicals for situations where evidence maps (specified in Task 7) are not produced or other supplementary analyses necessary for other existing chemicals projects:

- 1) Evidence tables: The contractor shall prepare tables that summarize detailed tables of results from studies (e.g., toxicological studies, exposure studies) identified acceptable from Task 8 consistent with guidance from the EPA TOCOR and technical contacts. The contractor shall also conduct quality assurance (QA) checks of such detailed evidence tables developed by experts (identified in Task 12). As necessary, the contractor shall provide and manage experts to perform this task.
- 2). Graphical displays: The contractor shall prepare graphical displays of results from studies identified by the EPA TOCOR. The types or formats of the graphical presentation shall be discussed between the EPA TOCOR, EPA technical contacts and the contractor. The contractor shall provide expertise to develop or modify graphical displays as needed. The contractor shall also conduct quality assurance (QA) checks of the data used to generate graphical displays. As necessary, the contractor shall provide and manage experts to perform this task.
- 3) Integrated reports: The contractor shall provide written, integrative reviews of the results of the studies using a WOE approach. The contractor shall analyze the entire body of data taking into consideration quality, consistency, relevancy, coherence and biological plausibility. Because OPPT uses WOE determinations to support its chemical risk evaluations, the contractor shall document the procedures or methods used to weigh the evidence and the basis for the WOE conclusion or recommendation. This is a requirement under the amended TSCA. The contractor shall provide written outline(s) to the EPA TOCOR for review prior to beginning the written integrated review. The contractor shall participate in telephone meetings as needed with the EPA TOCOR. The contractor shall develop a draft and a final report to be reviewed and approved by the EPA TOCOR. The contractor shall also match the EPA Software (currently Microsoft Office365 Pro Plus, EndNote 7, HERO, LitCiter and Adobe Pro 11) for drafting and creating a corresponding 508-compliant PDF with “HERO Links” in the report.
- 4) Other support: The contractor shall address other issues that may arise within the context of technical support for OPPT’s existing chemicals activities. These issues may

pertain, but not limited to, the interpretation of specific results in toxicological studies, synthesis and dose-response analysis of toxicological data, and issues pertaining to other disciplines (e.g., exposure, fate, engineering and ecotoxicology), development or refinement of data quality criteria or risk assessment issues (e.g., method development for new chemical risk evaluations). It may also include developing draft responses to public comments received for the TSCA scope documents and editorial support for scientific documents.

Deliverable Schedule: The deliverable schedule will vary depending on the subtask(s) and chemical and will depend on the amount and complexity of the information to be evaluated/summarized. The schedule will be clarified within written TD from the EPA TOCOR.

For the current option period, it is assumed that assistance regarding this task will be needed for five chemicals, focusing primarily on detailed evidence tables, graphical displays, reference and proofreading support and refinements to the data integration for the first ten risk evaluations.

Task 11: Updates to literature search

The contractor shall perform literature search updates at regularly scheduled intervals during assessment development (i.e., through release of final risk assessment) and at least once after external peer review, if applicable. The interval (i.e., number of months) between literature search updates shall be determined in consultation with the EPA TOCOR. The literature search strategy shall be consistent with the strategy for the initial literature search and pertinent SOPs. The contractor shall add new references to HERO, tag references consistent with existing tags in HERO, and document the updated literature search strategy and findings.

If questions arise during the literature search and screening task (e.g., difficulties in narrowing down the number of “hits” from the search, questions about the relevance of certain types of papers or topics, retrieval of difficult to obtain documents or foreign language papers), the contractor shall contact the EPA TOCOR for further consultation.

Deliverable Schedule: The EPA TOCOR will issue written TD clarifying the schedule for the updates to the literature search conducted in Task 5.

For the current option period it is assumed that this task will not be requested.

Task 12: Manage, Identify and Recruit Experts

As appropriate and if needed, the Contractor shall identify, recruit and manage experts to develop scientific materials within the scope of this TO and as specified by technical direction. The following activities are examples of how these experts may be involved:

- 1) Development of protocols that systemically assess study methods;
- 2) Evaluation of studies for relevance and quality;
- 3) Development of evidence tables and graphical displays of evidence (not limited to toxicological effects);

- 4) Support at peer review meetings;
- 5) Other support (e.g., data synthesis, data integration, expert opinion, supplemental data analysis).

EPA will provide guidance for the development of evidence tables and templates of the evidence and summary tables. The chemical assessments and related documents that will require assistance under this task order will be clarified through technical direction.

Potential experts shall be asked to submit a bio-sketch to ensure they meet the minimum/desired qualifications, and EPA will notify the Contractor of its concurrence with the selection. EPA will approve each of the experts performing work within two days of notification of a potential candidate.

The Contractor shall be responsible for ensuring that timely communication is passed between the EPA TOCOR and the experts so that technical clarification can be offered and interaction between EPA and the experts can occur as needed. The Contractor shall also ensure that the deliverables are provided to the EPA TOCOR in a timely manner. The EPA assumes primary authorship in the writing process for all materials and contributing experts are listed in the final documents as appropriate.

For purposes of this task order, the Contractor shall assume that 2 experts will be recruited.

If this task is exercised, the schedule and specific expertise requested will be clarified by technical direction from EPA.

C. REPORTING REQUIREMENTS AND SCHEDULE OF BENCHMARKS & DELIVERABLES:

As described in Task 2 and in the invoice instructions, the Contractor shall provide a monthly report CO, COR and EPA TOCOR which identifies project staff and all activities and milestones associated with the Task Order assignments planned and in progress. The monthly report in progress tasks shall be included in the monthly reports which will be referenced when the Voucher Validation review is performed monthly at the end of each billing cycle.

As per the Task Order or request for a proposal, the Contractor shall provide the Agency with a proposal within the timeframe specified for this Task Order. The EPA CO, EPA TOCORs, or panel members will review the proposal and provide the Contractor with an approval or disapproval, and revision (if necessary) in writing. The timelines involved, will proceed as stipulated in the request for a proposal or Contract.

The Contractor shall prepare a Quality Assurance Project Plan for this Task Order. EPA Requirements for Quality Assurance Project Plans (QA/R-5).

For most deliverables, the EPA TOCOR will assign a tentative due dates and instructions when work is routed to the Contractor. If within three business days, the Contractor expresses no concern regarding the due date; the date shall be deemed settled by tacit agreement.

Special Reporting Requirements

The contractor shall discuss the progress of the Task order and any issues in periodic teleconference calls, approximately on a weekly basis (every other week) with the EPA TOCOR. The EPA TOCOR will schedule these teleconference calls.

D. SCHEDULE OF DELIVERABLES:

The contractor shall ensure that all 508 compliant documents developed in all tasks outlined in this task order will align with EPA's 508 compliance checks (keywords, titles, tables, tags, etc.). The contractor is responsible for maintaining and utilizing the same version of Adobe as the EPA for purposes of developing and maintaining 508 compliant documents. To the extent practical, documents which are developed for this task order, and are to be 508 compliant should be designed to be such from their inception, minimizing the effort for conversion and maximizing 508 compliance quality assurance.

Tasks	Deliverables
1- Project Management and QAPP Requirements	Per contract requirements
2 –Reporting Requirements	To be clarified in written TD.
3 – Support for the Final PBT rule	To be clarified in written TD.
4- Technical Support for Prioritization Activities	To be clarified in written TD.
5 (scoping) – Literature Search and Title/Abstract Screening	To be clarified in written TD.
6 (scoping)- Full Text Screening	To be clarified in written TD.
7 (scoping) – Development of Evidence Maps	To be clarified in written TD.
8 (draft risk evaluations)- Evaluate the Reliability (Quality) of Studies	To be clarified in written TD.
9 (draft risk evaluations)- Summarize the Results of Data Reliability (Quality) and Extract Study Details into Tables	To be clarified in written TD.
10 - Activities Supporting the Integration of Information and Other Technical Support	To be clarified in written TD.
11 - Updates to Literature Search (optional)	To be clarified in written TD.
12 – Manage, Identify and Recruit Experts	To be clarified in written TD.

E. DELIVERABLES

For each deliverable submitted electronically, the contractor shall submit electronic copies to EPA in a format that EPA can support. Deliverables shall be submitted through electronic mail, or through another method determined mutually acceptable by the contractor and EPA.

F. ACCEPTABLE QUALITY LEVEL FOR TASKS

See Attachment: Quality Assurance Surveillance Plan

Performance Criteria Analysis – TASKS		
Performance Indicator	Standard	Acceptable Quality Level (AQL)
Timely submission of report	Reports submitted within time frame pre-negotiated with Task Order COR	95%
Free of substantive technical, guideline, or format errors	Reports submitted with zero substantive errors including but not limited to discrepancies, omissions, inaccuracies, and/or inappropriate data evaluation	95%

F.1 Method of surveillance

Final deliverables prepared by the contractor undergo a secondary review process in OPPT. Each report has a designated EPA reviewer. The EPA reviewer conducts a review of the contractor's deliverable. The EPA reviewer will provide feedback to the EPA TOCOR to send back to the contractor should revisions be needed. The EPA TOCORs will compare agency due dates or approved revised due dates to completed date of reports, quarterly and calculate the percentage of late reports.

F.2 Period of Performance

The period of performance of this task order is:

Base: 12 months from date of award

Option 1: 12 months from option exercise

G. TASK ORDER TYPE

Task 1: Firm Fixed Price must be completed before any funds are received for tasks 2-12.

Tasks 2-12: Time and Material

H. INSPECTION AND ACCEPTANCE

H.1 Quality Assurance Project Plan

The contractor shall submit the following quality system documentation to the CO at the time frames identified below:

	Documentation	Specifications	Due
X	Quality Assurance Project Plan for the Task Order	EPA Requirements for Quality Assurance Project Plans (QA/R-5) [dated 03/20/11]	2 Weeks after Task Order proposal due date

This documentation can be found on the following EPA website –
<https://www.epa.gov/quality/epa-qar-5-epa-requirements-quality-assurance-project-plans>

This documentation will be prepared in accordance with the specifications identified above or equivalent specifications defined by EPA.

The Government will review and return the quality documentation, with comments, and indicating approval or disapproval. If necessary, the contractor shall revise the documentation to address all comments and shall submit the revised documentation to the government for approval.

The contractor shall not commence work involving environmental data generation or use until the Government has approved the quality documentation.

I. TASK ORDER ADMINISTRATION DATA

Contract Administration Representatives

Contracting Officer: William Yates, yates.william@epa.gov

Contract Level Contracting Officer's Representative: Melissa Revely-Wilson,
Revely-Wilson.Melissa@epa.gov

Task Order Contracting Officer's Representative (TOCOR): Ariel Hou, [hou.ariel@epa.gov](mailto:hau.ariel@epa.gov)

Alternate TOCOR: Nerija Orentas, orentas.nerija@epa.gov

Appendix A: List of High and Low Priority candidates

HIGH PRIORITY SUBSTANCES

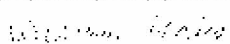
Chemical Name	CAS	Docket Number
p-Dichlorobenzene	106-46-7	EPA-HQ-OPPT-2018-0446
1,2-Dichloroethane	107-06-2	EPA-HQ-OPPT-2018-0427
trans-1,2- Dichloroethylene	156-60-5	EPA-HQ-OPPT-2018-0465
o-Dichlorobenzene	95-50-1	EPA-HQ-OPPT-2018-0444
1,1,2-Trichloroethane	79-00-5	EPA-HQ-OPPT-2018-0421
1,2-Dichloropropane	78-87-5	EPA-HQ-OPPT-2018-0428
1,1-Dichloroethane	75-34-3	EPA-HQ-OPPT-2018-0426
Dibutyl phthalate (DBP) (1,2-Benzene-dicarboxylic acid, 1,2- dibutyl ester)	84-74-2	EPA-HQ-OPPT-2018-0503
Butyl benzyl phthalate (BBP) - 1,2-Benzene- dicarboxylic acid, 1- butyl 2(phenylmethyl) ester	85-68-7	EPA-HQ-OPPT-2018-0501
Di-ethylhexyl phthalate (DEHP) - (1,2-Benzene- dicarboxylic acid, 1,2- bis(2-ethylhexyl) ester)	117-81-7	EPA-HQ-OPPT-2018-0433
Di-isobutyl phthalate (DIBP) - (1,2-Benzene- dicarboxylic acid, 1,2- bis-(2methylpropyl) ester)	84-69-5	EPA-HQ-OPPT-2018-0434
Dicyclohexyl phthalate	84-61-7	EPA-HQ-OPPT-2018-0504

Chemical Name	CAS	Docket Number
4,4'-(1-Methylethylidene)bis[2, 6-dibromophenol] (TBBPA)	79-94-7	EPA-HQ-OPPT-2018-0462
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	EPA-HQ-OPPT-2018-0476
Phosphoric acid, triphenyl ester (TPP)	115-86-6	EPA-HQ-OPPT-2018-0458
Ethylene dibromide	106-93-4	EPA-HQ-OPPT-2018-0488
1,3-Butadiene	106-99-0	EPA-HQ-OPPT-2018-0451
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)	1222-05-5	EPA-HQ-OPPT-2018-0430
Formaldehyde	50-00-0	EPA-HQ-OPPT-2018-0438
Phthalic anhydride	85-44-9	EPA-HQ-OPPT-2018-0459

LOW PRIORITY SUBSTANCES

Chemical Name	CAS	Docket Number
1-Butanol, 3-methoxy-, 1-acetate	4435-53-4	EPA-HQ-OPPT-2019-0106
D-gluco-Heptonic acid, sodium salt (1:1), (2.xi.)-	31138-65-5	EPA-HQ-OPPT-2019-0107
D-Gluconic acid	526-95-4	EPA-HQ-OPPT-2019-0108
D-Gluconic acid, calcium salt (2:1)	299-28-5	EPA-HQ-OPPT-2019-0109
D-Gluconic acid, .delta.-lactone	90-80-2	EPA-HQ-OPPT-2019-0110

Chemical Name	CAS	Docket Number
D-Gluconic acid, potassium salt (1:1)	299-27-4	EPA-HQ-OPPT-2019-0111
D-Gluconic acid, sodium salt (1:1)	527-07-1	EPA-HQ-OPPT-2019-0112
Decanedioic acid, 1,10-dibutyl ester	109-43-3	EPA-HQ-OPPT-2019-0113
1-Docosanol	661-19-8	EPA-HQ-OPPT-2019-0114
1-Eicosanol	629-96-9	EPA-HQ-OPPT-2019-0115
1,2-Hexanediol	6920-22-5	EPA-HQ-OPPT-2019-0116
1-Octadecanol	112-92-5	EPA-HQ-OPPT-2019-0117
Propanol, [2-(2-butoxymethylethoxy)methylethoxy]-	55934-93-5	EPA-HQ-OPPT-2019-0118
Propanedioic acid, 1,3-diethyl ester	105-53-3	EPA-HQ-OPPT-2019-0119
Propanedioic acid, 1,3-dimethyl ester	108-59-8	EPA-HQ-OPPT-2019-0120
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	88917-22-0	EPA-HQ-OPPT-2019-0121
Propanol, [(1-methyl-1,2-ethanediyl)bis(oxy)]bis-	24800-44-0	EPA-HQ-OPPT-2019-0122
2-Propanol, 1,1'-oxybis-	110-98-5	EPA-HQ-OPPT-2019-0123
Propanol, oxybis-	25265-71-8	EPA-HQ-OPPT-2019-0124
Tetracosane, 2,6,10,15,19,23-hexamethyl-	111-01-3	EPA-HQ-OPPT-2019-0125

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C		PR-OCSP-19-00456			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
HPOD		HPOD		CAD		CAD	
HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460				CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO.			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0299			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13)			
				09/17/2019			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$125,582.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: Ariel Hou Max Expire Date: 09/16/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to exercise the optional tasks. Task number 3 and task number 7 is hereby exercised. The corresponding funding will also be added with this modification.							
LIST OF CHANGES:							
Reason for Modification: Funding Only Action							
Total Amount for this Modification: \$125,582.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		11/06/2019	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00001	PAGE	OF
		2	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Amount for this Version: \$227,134.00 New Total Amount for this Award: \$227,134.00 Obligated Amount for this Modification: \$125,582.00 New Total Obligated Amount for this Award: \$227,134.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$101,552.00 to \$227,134.00 Obligated Amount for this Modification: \$125,582.00</p> <p>CHANGES FOR DELIVERY LOCATION: HPOD Amount changed from \$101,552.00 to \$227,134.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-BT-69A-000CD6-2505-QT6E19ZZ-TC6EEBS-1969AC9044-001 Beginning FiscalYear 19 Ending Fiscal Year Fund (Appropriation) BT Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 1969AC9044-001 Quantity: 0 Amount: \$125,582.00 Percent: 0 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Continued ...</p>				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00001	PAGE	OF
		3	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C		PR-OCSP-20-00087			
6. ISSUED BY		CODE	HP0D	7. ADMINISTERED BY (If other than Item 6)		CODE	CAD
HP0D US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460			CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)	9A. AMENDMENT OF SOLICITATION NO.		
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050					9B. DATED (SEE ITEM 11)		
				x	10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0299		
				10B. DATED (SEE ITEM 13) 09/17/2019			
CODE 072648579		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$240,194.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: Ariel Hou Max Expire Date: 09/16/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to execute options tasks 5.1, 5.2, 62. and 6.3. In addition, this modification will add funding for the executed tasks.							
Total Amount for this Modification: \$240,194.00							
New Total Amount for this Version: \$467,328.00							
New Total Amount for this Award: \$467,328.00							
Obligated Amount for this Modification: \$240,194.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		01/14/2020	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00002	PAGE	OF
		2	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$227,134.00 to \$467,328.00 Obligated Amount for this Modification: \$240,194.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-BT-69A-000CD6-2505-TC6EEBS-2069AC2009-001 Beginning FiscalYear 20 Ending Fiscal Year Fund (Appropriation) BT Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 2069AC2009-001</p> <p>Amount: \$104,573.60</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-69A-000CD6-2505-TC6EEBS-2069AC2009-002 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 2069AC2009-002</p> <p>Amount: \$135,620.40</p> <p>Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-OCSP-20-00208	
6. ISSUED BY HPOD		7. ADMINISTERED BY (If other than Item 6) CAD		5. PROJECT NO. (If applicable)	
HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0299	
				10B. DATED (SEE ITEM 13) 09/17/2019	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$281,861.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: Ariel Hou Max Expire Date: 09/16/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this modification is to execute optional tasks 6.1, 8, 9, 11, and 12. In addition, this mod will fund the execution of these optional taskings.

Total Amount for this Modification: \$281,861.00

New Total Amount for this Version: \$749,189.00

New Total Amount for this Award: \$749,189.00

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 04/29/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$281,861.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$467,328.00 to \$749,189.00 Obligated Amount for this Modification: \$281,861.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-B-69A-000C54-2505-TC6EEBS-2069AC2034-001 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000C54 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 2069AC2034-001</p> <p>Amount: \$281,861.00 Percent: 37.62215</p> <p>Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2020</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY HP0D US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CODE HP0D		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CODE CAD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0299	
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 09/17/2019	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: AMELIA NGUYEN Max Expire Date: 09/16/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this administrative modification will be to change the TOCOR to Amelia Nguyen. All other conditions remain the same.

TOCOR (Task Order Contracting Officer's Representative) changed to : AMELIA NGUYEN

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 06/23/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00004	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2020				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00005		See Block 16C		PR-OCSP-20-00353			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0299			
				10B. DATED (SEE ITEM 13) 09/17/2019			
CODE 072648579		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$998,930.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: AMELIA NGUYEN Max Expire Date: 09/16/2021							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to amend the PWS and to fund the amendment. In addition, this modification will extend the period of performance by 12 months.							
Period of Performance End Date changed from 16-SEP-20 to 16-SEP-21							
Total Amount for this Modification: \$998,930.00							
New Total Amount for this Version: \$1,748,119.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 07/16/2020	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00005	PAGE	OF
		2	3

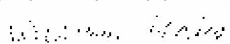
NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Amount for this Award: \$1,748,119.00 Obligated Amount for this Modification: \$998,930.00 New Total Obligated Amount for this Award: \$1,748,119.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$749,189.00 to \$1,748,119.00 Obligated Amount for this Modification: \$998,930.00 End Date changed from 16-SEP-20 to 16-SEP-21</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-69A-000CD6-2505-TC6EEBA-2069AC2057-001 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBA DCN-LineID 2069AC2057-001 Amount: \$105,780.41</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-69A-000C54-2505-QT6E19ZZ-TC6EEBA-2069AC2057-002 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000C54 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBA DCN-LineID 2069AC2057-002 Amount: \$82,430.00</p> <p>NEW ACCOUNTING CODE ADDED: Continued ...</p>				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00005	PAGE	OF
		3	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Account code: 19-20-B-69A-000C54-2505-TC6EEBA-2069AC2057-003 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000C54 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBA DCN-LineID 2069AC2057-003 Amount: \$810,719.59 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00006		See Block 16C					
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency							
26 West Martin Luther King Drive							
Mail Code: W136							
Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO.	
ICF Incorporated, L.L.C.							
Attn: Robert Toth						9B. DATED (SEE ITEM 11)	
9300 LEE HIGHWAY							
FAIRFAX VA 220316050							
CODE		FACILITY CODE		X		10A. MODIFICATION OF CONTRACT/ORDER NO.	
072648579						68HERC19D0003	
						68HERC19F0299	
						10B. DATED (SEE ITEM 13)	
						09/17/2019	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: AMELIA NGUYEN Max Expire Date: 09/16/2021							
The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		10/07/2020	

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

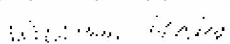
(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00007		See Block 16C		PR-OCSP-20-00463			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC19D0003			
				68HERC19F0299			
				10B. DATED (SEE ITEM 13)			
				09/17/2019			
CODE 072648579		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$225,768.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: AMELIA NGUYEN Max Expire Date: 09/16/2021							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to incorporate Incremental Option A of the PWS to include: 5.1 Exposure Screening for 155 hours; 5.2 Hazard Screening for 368 hours;							
6.1 Full-Text, Exposure for 296 hours; 6.2 Full-Text, Hazard (gray literature) for 45 hours; 6.3 Full-Text, Hazard (peer-reviewed literature) for 198 hours; 7 Evidence Maps for 116 hours;							
8 Study Evaluation for 135 hours; 9 Data Extraction for 170 hours; 10 Other Support for 487 hours. In addition, this modification will fund this amendment in the amount of \$225,768.							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 ELECTRONIC SIGNATURE (Signature of Contracting Officer)		10/21/2020	
(Signature of person authorized to sign)							

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00007	PAGE	OF
		2	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Total Amount for this Modification: \$225,768.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$1,748,119.00 to \$1,973,887.00 Obligated Amount for this Modification: \$225,768.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-69A-000CD6-2505-QT6E19ZZ-TC6EEBS-2069AC2072-002 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 2069AC2072-002</p> <p>Amount: \$62,581.01</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-BT-69A-000CD6-2505-TC6EEBS-2069AC2072-001 Beginning FiscalYear 20 Ending Fiscal Year Fund (Appropriation) BT Budget Organization 69A Program (PRC) 000CD6 Budget (BOC) 2505 Job # (Site/Project) QT6E19ZZ Cost Organization TC6EEBS DCN-LineID 2069AC2072-001</p> <p>Amount: \$163,186.99</p> <p>Continued ...</p>				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0299/P00007	PAGE	OF
		3	3

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/17/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:	
3. ORDER NO. 68HERC19F0302		4. REQUISITION/REFERENCE NO. PR-ORD-19-01186		a. NAME OF CONSIGNEE ORD/OARS/EMD/RTP	
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 109 T. W. Alexander Dr.	
				c. CITY Research Triangle Park	e. ZIP CODE 27711
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 9300 LEE HIGHWAY				REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 09/16/2020	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: Michael Broder Max Expire Date: 09/16/2020 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$35,264.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$35,264.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 09/17/2019

ELECTRONIC SIGNATURE

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

PAGE NO

SCHEDULE - CONTINUATION

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER		CONTRACT NO.		ORDER NO.		
09/17/2019		68HERC19D0003		68HERC19F0302		
ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Period of Performance: 09/17/2019 to 09/16/2020 Contract 68HERC19D0003 TO-0016 This task order serves as a generic task of providing support for the development, revision and technical editing of several documents for which technical direction will be issued for each product. The technical direction accompanying each document will contain instructions specific to that product. Accounting Info: 19-20-C-26W1000-000F84-2532-26A5C-1926 W1C929-001 BFY: 19 EFY: 20 Fund: C Budget Org: 26W1000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 1926W1C929-001 Funding Flag: Complete Funded: \$34,233.86				34,233.86	
0002	Contract 68HERC19D0003 TO-0016 This task order serves as a generic task of providing support for the development, revision and technical editing of several documents for which technical direction will be issued for each product. The technical direction accompanying each document will contain instructions specific to that product. Accounting Info: 19-20-C-26W1000-000FK8XPV-2532-26A5C-1926W1C929-002 BFY: 19 EFY: 20 Fund: C Budget Org: 26W1000 Program (PRC): 000FK8XPV Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 1926W1C929-002 Funding Flag: Complete Funded: \$1,030.14				1,030.14	

PERFORMANCE WORK STATEMENT
CONTRACT NO. 68HERC19D0003
TO-68HERC19F0302

TITLE: Technical Editing and Revision Support for Risk Assessment Forum Documents

Specify Section: PWS 2.3

PERIOD OF PERFORMANCE: *Award to 12 months*

A. BACKGROUND

Federal regulatory agencies often rely on risk assessments as a primary component in their decision-making process. To ensure that assessments are conducted in a consistent and transparent manner the Environmental Protection Agency (EPA) develops guidelines, guidance documents and “white papers” to provide a framework for analyzing data. EPA’s Risk Assessment Forum (RAF) is charged with coordinating the development of Agency-wide guidelines and guidance documents that provide that framework. The principal audiences for these products are EPA risk assessors and risk managers; however, these documents also provide clarity and transparency to the stakeholders and other interested parties and are often cited by other regulatory entities.

B. PURPOSE

As noted above, guidelines and related products are among the most important products generated by the EPA. These products inform risk assessors how to acquire data and apply it to risk assessments, promote consistency in Agency risk assessments and inform stakeholders and other interested parties of EPA risk assessment policies and practices. As such, these documents need to be written in a clear and concise manner.

The first step in document revision and editing is monitoring discussions among the technical panel to identify changes to the document. Following those meetings, the technical panel will revise the document and the document will be submitted to the Contractor for technical editing.

This task order serves as a generic task with the intention that it will cover support for the development, revision and technical editing of several documents for which technical direction will be issued for each product. The technical direction accompanying each document will contain instructions specific to that product.

C. KNOWLEDGE AND SKILLS REQUIRED

The Contractor possess demonstrated experience in the production of quality EPA guidelines with an appropriate level of expertise in exposure science, human health and ecological risk assessment methods, to adequately critique and edit RAF documents for clarity and consistency, as well as providing grammatical editing. The Contractor shall be experienced with the use of Endnote database software and MS Word 2016. The Contractor shall also be proficient in developing and populating basic databases using MS Access 2016. The Contractor shall be competent in tracking meeting discussions and taking meeting notes. The level of expertise for each task will be commensurate with the technical direction.

D. TASKS

This work falls mainly under Section 2.3 of the Technical Transfer Performance Work Statement: Support for the Preparation of Technical Publications.

Task 1: Establish Communication

Within 3 days of start date of this TO, the Contractor shall schedule a conference call (not to exceed 1 hour) with the COR, workgroup members, and appropriate Contractor staff to clarify outstanding questions and confirm the schedule and specific tasks for the task order. Similarly, the Contractor shall initiate communication with the COR within three days of the issuance of any technical direction issued by the COR. The Contractor shall initiate additional communication with the COR should developments arise that will affect the conduct or schedule of the assignment.

Task 2: Cost Proposal

The Contractor cost proposal shall describe how the work outlined in the under this Performance Work Statement will be performed, including deliverables, a schedule, budget, and level of effort. The Contractor shall also prepare a Staffing Plan, which shall be submitted as part of the task order that shows assigned personnel by task and the qualifications of the proposed personnel.

Task 3. Tracking Meeting Discussions

The Contractor shall participate in meetings as stated in the technical direction; take meeting notes on recommended changes to the document; record the changes in the compiled comments from reviewers and incorporate those changes in the document. The Contractor shall update references, links, and hyperlinks consistent with the revisions per technical direction.

Task 4. Providing Review and Technical Support for the Enhancement and Development of Agency Science and Policies

The Contractor shall provide technical assistance to the develop of agency guidance as stated in the technical direction. This may include a literature review of existing agency or government policies, or review of scientific literature. The content will be delivered in a format provided in the technical direction.

Task 5. Technical Editing

The Contractor shall review and edit the document addressing grammatical, syntax, and spelling errors, consistency in the use of terms, formatting and voice in the document with specific attention to the items listed in the technical direction. The technical direction may also include associated activities such as tabulating reviewers' comments on draft documents. As stated in the technical direction, the Contractor shall establish or maintain a database of references/citations in Endnote software. The Contractor shall maintain ongoing communication with the COR to ensure quality and timely completion of the project.

Task 6. Compilation of Comments

As per technical direction, the Contractor shall compile comments received during review of the document and assemble the comments in a format per technical direction. As appropriate and in consultation with the COR, comments of a similar vein shall be consolidated.

Task 7. Delivery of the Final Product

The Contractor may deliver electronic versions (MS Word 2013 or as specified in the technical direction) of the edited document to the COR, alternate COR, and others designated in the technical direction including both clean and marked-up drafts: the latter shall be a revised document presented as a “track changes.”

E. SCHEDULE AND DELIVERABLES

Product	Due Date
Task 1. Initial Conference Call	3 days after award
Task 2. Staffing Plan	Per contact requirements
Task 3. Attend and track meetings, taking notes. The Contractor shall update references, links, and hyperlinks consistent with the revisions per PWS.	As specified in the PWS
Task 4. Shall provide the content in a format specified in the technical direction	As specified in the PWS
Task 5. Shall review and edit the document addressing grammatical, syntax, and spelling errors that may exist in the document with specific attention to the items listed in the technical direction laid out in the attachment.	As specified in the PWS
Task 6. Shall compile comments received during review of the document.	As specified in the PWS
Task 7. Shall deliver an electronic version (MS Word or as directed in the technical direction) of the draft document to the COR, alternate COR, and others designated in the technical direction including each in both clean and marked-up drafts: the latter shall be a revised document presented as a “track changes unless otherwise specified in the technical direction.	As specified in the PWS

F. Acceptance Criteria

Final products shall be produced by the Contractor upon the EPA TO COR’s approval through written technical direction. The Contractor shall provide all materials written as part of these tasks to the EPA TO COR, as per task order, in electronic format. Electronic versions shall be in MS Word 2013, PowerPoint 2013 and Excel 2013 computer format unless otherwise specified in the technical direction.

G. MANAGEMENT CONTROLS:

Periodic meetings between the EPA and Contractor task order managers are encouraged to discuss any questions that may arise during performance or completion of this task order. At the EPA TO COR’s discretion, these meetings may occur via teleconference or video conferences. The Contractor shall document these meetings and submit copies of this correspondence to the EPA TO COR.

The EPA TO COR may identify one or more EPA technical representatives for this task order. Interaction between the Contractor and any EPA technical representative(s) designated by the EPA TO COR is solely for the purpose of presenting and discussing the information, analyses, results, or presentations related to this task order. The interaction will be technical communication via technical direction. Per the technical direction clause EPAAR 1552.237-71 of the contract, the EPA PO COR and the EPA TO COR or alternate EPA TO COR are the only representatives of the CO authorized to provide technical direction.

Per the technical direction clause, the CO and PO will be provided with copies of all technical direction.

H. CONFIDENTIALITY

Some of the information to be edited under this task may be internal information that is not ready for public distribution. The Contractor shall not discuss the contents of the document with anyone not specified as a participant in the document review process or its preparation.

VI. MANAGEMENT CONTROLS

1. All deliverables shall be reviewed for conformance to the requirements of this task order before being approved as final.
2. The Contractor shall comply with other applicable requirements for final task order reports stipulated in contract.

NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT

Guidance is strictly limited to technical and analytical support. The contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

Should the contractor receive any instruction from an EPA staff person that the contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or task order, the contractor shall immediately contact the PO , TO COR or CO

SPECIAL CONDITIONS AND ASSUMPTIONS

The contractor shall hold a conference call with the EPA TO COR at the initiation of the task, and shall provide a bi-weekly update to the TO COR by telephone for the duration of the task order, in addition to the standard reporting requirements of the contract.

EPA CONTACT INFORMATION

Copies of all correspondence pertaining to the performance of this task order shall be sent to the PO.

Task Order COR

Task Order COR

Michael W. Broder
Office of Science Advisor
U.S. EPA (8105-R)
Office of the Science Advisor
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
Telephone: (202) 564-3393
Fax: (202) 564-2070

Alternate Task Order COR:

Lawrence Martin
Office of the Science Advisor
U.S. EPA (8105-R)
Telephone (202) 564-6497
Fax: (202) 564-2070

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C					
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD		CAD		CPOD		CPOD	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO.			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0302			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 09/17/2019			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: Michael Broder Max Expire Date: 09/16/2021							
LIST OF CHANGES:							
Reason for Modification: The purpose of this administrative modification will be to extend the period of performance.							
Period of Performance End Date changed from 16-SEP-20 to 16-SEP-21							
Maximum Potential Expiration Date changed to : 09/16/2021							
CHANGES FOR LINE ITEM NUMBER: 2							
End Date changed from 16-SEP-20 to 16-SEP-21							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 07/15/2020	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0302/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR DELIVERY LOCATION: ORD/OARS/EMD/RTP Delivery Date changed from 09/16/2020 to 09/16/2021</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>CHANGES FOR DELIVERY LOCATION: ORD/OARS/EMD/RTP Delivery Date changed from 09/16/2020 to 09/16/2021</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE 072648579		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0302	
				10B. DATED (SEE ITEM 13) 09/17/2019	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: Michael Broder Max Expire Date: 09/16/2021

LIST OF CHANGES:

Reason for Modification: The purpose of this administrative modification will be to revise the requirement for task 4 and replace the original verbiage in task 4. All other conditions remain the same.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 07/15/2020

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CPD	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CPD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0302	
				10B. DATED (SEE ITEM 13) 09/17/2019	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

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CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: Michael Broder Max Expire Date: 09/16/2021

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/07/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0302/P00003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/17/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE HPOD	
3. ORDER NO. 68HERC19F0306		4. REQUISITION/REFERENCE NO. PR-ORD-19-01956			
5. ISSUING OFFICE (Address correspondence to) HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460				b. STREET ADDRESS US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9300 LEE HIGHWAY				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 09/16/2020	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: DANIELLE DIXON Max Expire Date: 09/16/2020 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$269,525.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$269,525.00
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 09/17/2019

23. NAME (Typed)
William M. Yates
TITLE: CONTRACTING/ORDERING OFFICER

ELECTRONIC SIGNATURE

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/17/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0306
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Period of Performance: 09/17/2019 to 09/16/2020 Funding of \$350,000.00 for Task Order #0020 (Food Waste State of the Science, under HHRA Contract #68HERC19D0003. COR/Danielle Dixon, Alt COR/Patricia McGhee. 1926RRC949 Accounting Info: 19-20-C-26RR000-000FK8-2532-26A5C-1926 RRC949-001 BFY: 19 EFY: 20 Fund: C Budget Org: 26RR000 Program (PRC): 000FK8 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 1926RRC949-001 Funding Flag: Complete Funded: \$250,000.00				250,000.00	
0004	Funding of \$350,000.00 for Task Order #0020 (Food Waste State of the Science, under HHRA Contract #68HERC19D0003. COR/Danielle Dixon, Alt COR/Patricia McGhee. 1926RRC949 Accounting Info: 19-20-C-26RR000-000FK9-2532-26A5C-1926 RRC949-004 BFY: 19 EFY: 20 Fund: C Budget Org: 26RR000 Program (PRC): 000FK9 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 1926RRC949-004 Funding Flag: Partial Funded: \$19,525.00				19,525.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$269,525.00

**PERFORMANCE WORK STATEMENT
HHRA CONTRACT 68HERC19D0003
Task Order 68HERC19F0306**

TITLE: Food Waste State of the Science

Specify Section & Paragraph SOW: D & E

PERIOD OF PERFORMANCE: CO Award to 12 months

I. PURPOSE

The primary purpose of this Task Order (TO) is to provide services to the U.S. Environmental Protection Agency's (hereinafter EPA or Agency) Office of Research and Development (ORD) to analyze and synthesize the “State of the Science” regarding U.S. food waste and efforts to reduce food waste, with a focus on environmental impacts and considerations. This “State of the Science” report will synthesize “what is known” about U.S. food waste and food waste prevention, reuse, and recycling efforts, and identify the most important areas for future scientific research. The latest scientific findings will be highlighted, and emerging technologies and approaches will be evaluated. EPA’s objective is to help the U.S. meet its goal to halve food waste by 2030 in the most environmentally beneficial way, by informing public and private-sector decision-making and prioritizing the most promising avenues for solutions-oriented research. The synthesis report should inform what research is needed to inform action to meet this goal.

The goals of the project include:

- Characterization and analysis of existing science on food waste and food waste reduction;
- Identification and prioritization of knowledge gaps where original scientific research may greatly improve understanding of the issue and lead to effective solutions;
- Informing public and private sector decision-making and investments to reduce food waste.

The work will produce a State of the Science report based upon literature review and expert interviews, followed by a workshop on a select set of promising research directions.

II. BACKGROUND

The U.S. has set an ambitious goal to halve food waste by 2030. Over one-third of the food produced in the U.S. is never eaten, wasting the energy and water used to produce it, filling landfills, and leading to methane emissions from landfills and water impacts from pesticide and fertilizer use. A 2016 report by ReFED, a multi-stakeholder non-profit, estimates that deploying existing education campaigns, best practices, and technologies can reduce U.S. food waste by 20%. Research and development of new science-based solutions will be essential to meeting the 50% goal.

III. STATEMENT OF WORK

A. Objective

The objective of this TO is to provide technical support for the development of a report which documents, analyzes and characterizes the state of the science on U.S. food waste and food waste reduction, with a focus on environmental impacts and considerations. This report is meant to be a summary of what is known and what is not known about U.S. food waste and efforts to reduce food waste, both to inform the reader and to highlight the most important areas for future EPA research. The contractor will review relevant literature and interview relevant experts, then analyze and synthesize that information to address, at a minimum, the topics below. Where complete answers cannot be found or where the literature is not in agreement, the contractor will provide relevant information and identify and analyze knowledge gaps, understanding that the Agency's goal is to identify promising avenues towards meeting the U.S. commitment to halve food waste by 2030.

The study will cover, at a minimum, the following topics: characterization of U.S. food waste; recycling, reuse and prevention strategies (including composting, anaerobic digestion, other industrial uses, reuse in new products, animal feed, donation, source reduction); life cycle environmental impacts of food waste and food waste recycling, reuse, and prevention strategies; pre-processing technologies; food packaging and service ware; chemical contaminants in food waste; and, trends in food system that may impact food waste.

For the purposes of this Performance Work Statement, food waste is defined as food produced for human consumption but not eaten by humans.

Specific requirements for the proposed work are provided below.

B. Specific Requirements

The use of "redline" versions of the documents shall be employed throughout the process. All documents shall be technically edited for format and grammar before being submitted to the EPA Work Assignment Manager (WAM).

Task 1: Establish Communication

Within 3 days of start date of this TO, the Contractor shall schedule a conference call (not to exceed 1 hour) with the WAM and appropriate contractor staff to clarify outstanding questions and confirm the schedule and specific tasks.

Task 2: Work Plan, Staffing Plan, and Quality Assurance Project Plan (QAPP)

The Contractor shall prepare a Technical Work Plan describing how the work outlined in this Performance Work Statement will be performed, including deliverables, a schedule, budget, and level of effort. The Contractor shall also prepare a Staffing Plan, which shall be submitted as part of the TO that shows assigned personnel by task and the qualifications of the proposed personnel. The Contractor shall provide expertise in the areas of food waste characterization, food waste reduction (including source reduction), industrial uses of food waste (including conversion to energy), food waste processing technologies, and composting and land application of products created using food waste.

The Contractor shall develop a QAPP for approval by the COR and Quality Assurance Manager. The Contractor must address in the QAPP how they are going to consider the use of secondary data to carry out this task. Secondary data are defined as environmental or health data that were developed for a different purpose. This includes data used from citations found in the literature. See these documents: "*EPA Manual C/0 2105-P-*

01-0: EPA Quality Manual for Environmental Programs (QAPP)"; "EPA Requirements for Quality Assurance Project Plans (QA/R-5)"; and "Appendix A. Guidance on Quality Assurance Project Plans for Secondary Research Data."

The contractor shall submit the QAPP simultaneously with the Work Plan for approval. The Contractor shall not perform any work for subsequent tasks under this TO until the Work Plan and QAPP are reviewed and approved.

Specific requirements of this task:

- 2.1 The Contractor shall prepare a Technical Work Plan describing how the work outlined in this Performance Work Statement will be performed, including deliverables, a schedule, budget, and level of effort. The Contractor shall also prepare a Staffing Plan, which shall be submitted as part of the Work Plan that shows assigned personnel by task and the qualifications of the proposed personnel.
- 2.2 The Contractor shall develop a QAPP for approval by the COR and Quality Assurance Manager.

Deliverables:

Technical Work Plan and Staffing Plan
Quality Assurance Project Plan

Task 3: Literature review of U.S. food waste and food waste prevention, with a focus on environmental impacts and considerations.

Prior to initiation of Task 4, the contractor shall conduct a broad literature and internet search conducted to identify, analyze and synthesize studies, literature, projects and/or reports on the food waste-related topics detailed below. The objective of this TO is conduct complete literature searches to synthesize the state of the science about the food waste and prevention topics listed below as well as gaps in current science on those topics. When the literature review finds conflicting or differing findings, the contractor shall analyze and synthesize the conflicting information. The literature review shall also identify areas where answers to research questions do not exist.

The literature review shall include peer-reviewed material as well as publicly available information from other credible sources. The literature review shall also include relevant systematic review approaches. A more detailed list of science/research questions to be covered by the literature review will be provided to the contractor by the EPA through technical direction. The methodology for conducting this review shall be provided as a deliverable to the COR for concurrence prior to conducting subsequent tasks in the TO.

The literature search shall be designed to cover, at a minimum, the following topics:

1. Characterization of U.S. food waste, including environmental impacts
Purpose: Understand how much of what kind of food is wasted by whom and why, so that we can develop effective prevention, reuse and recycling strategies.
2. Reduction strategies
 - a. Composting
 - b. Anaerobic digestion
 - c. Other industrial uses
 - d. Animal feed
 - e. Donation
 - f. Source reduction

Purpose: Understand the potential and limitations of each food waste prevention, reuse and recycling strategy, including its known and potential environmental impacts.

3. Life cycle environmental impacts

Purpose: Understand life cycle environmental costs and benefits of choices between and within levels of the EPA Food Recovery Hierarchy (e.g., anaerobic digestion vs. composting; or sending food waste via sewer vs. truck to WRRF for anaerobic digestion).

4. Pre-processing technologies

Purpose: Understand environmental implications of food waste pre-processing technologies in use, including their potential to help reduce food waste.

5. Food packaging and service ware

Purpose: Understand the relationship between food waste and food packaging and service ware, including ways packaging may impact prevention and recycling of food waste or use and value of products created by recycling.

6. Chemical contaminants

Purpose: Understand risks and problems posed by contaminants, such as PFOS, PFAS, film plastics and persistent herbicides, in food waste streams.

7. Food system trends

Purpose: Identify well-recognized trends in U.S. food system that may impact food waste and summarize what has been written about their potential impacts.

The focus of this search shall be the U.S. food supply (including imports and excluding exports), from farm to end-of-use (consumption, recycling, or disposal). If food waste is recycled into a new product (e.g., compost), the benefits (and avoided costs) related to the new product will be considered. International best practices and innovative technologies will be included. Policy options will not be evaluated.

Specific requirements of this task:

- 3.1 The Contractor shall conduct a literature review to synthesize the state of the science about the food waste and prevention topics listed below as well as gaps in current science on those topics. The results of the literature review will be used, in part to inform the Summary Report, required under Task 5 of this WA. The deliverable under Task 3 is documentation of the methodology for the literature review.

Deliverables:

Literature review methodology

Task 4: Expert Interviews

The objective of this task is to better understand and analyze the state of the science and gaps in the literature by conducting interviews with experts in specific areas related to food waste and food waste reduction strategies. The interviews shall be used to verify and expand upon findings of the literature review. The contractor shall prepare and deliver to the EPA COR a plan for conducting the interviews. The contractor shall conduct up to 25 interviews of experts, some of whom will be identified by EPA. Results of the work under Task 3 and expertise of the contractor will also be used to identify experts. The contractor shall prepare and deliver to the EPA COR a plan for conducting the interviews. Each interview shall be documented with detailed notes.

Specific requirements of this task:

4.1 Expert Interviews

Deliverables:
Interview Plan
Detailed interview notes

Task 5: State of the Science Report

The objective of this task is to produce a report capturing and characterizing the state of the science on food waste and food waste prevention based on the activities conducted under Task 3 and Task 4 and to identify areas for future possible EPA research. In developing the report, the contractor shall synthesize and analyze the results of the activities conducted under Task 3 and Task 4 of this task. In cases where the activities under Task 3 and Task 4 of this task identified conflicting or differing findings, the contractor shall analyze and synthesize the conflicting information. The contractor shall identify and characterize areas where answers to research questions do not exist.

A more detailed list of science/research questions which the report must, at a minimum, cover will be provided to the contractor by the EPA through technical direction. Supporting material shall be included in technical appendices. The report shall include a section analyzing gaps in existing literature and suggesting possible areas of future research appropriate for EPA to consider. The advantages and disadvantages of current and proposed future approaches to reducing food waste and contamination of products produced from food waste shall be analyzed and evaluated by the contractor in this report. The report shall be written in a manner suitable for external release or submission to a peer review process.

The report will achieve the following objectives:

- *Describe how much of what kind of food is wasted by whom and why, so that reader can develop effective prevention, reuse and recycling strategies.*
- *Characterize and analyze the science on the potential and limitations of each food waste prevention, reuse and recycling strategy, including its known and potential environmental impacts.*
- *Characterize and analyze the science on life cycle environmental costs and benefits of choices between and within levels of the EPA Food Recovery Hierarchy (e.g., anaerobic digestion vs. composting; or sending food waste via sewer vs. truck to WRRF for anaerobic digestion).*
- *Characterize and analyze the science on environmental implications of food waste pre-processing technologies in use, including their potential to help reduce food waste.*
- *Characterize and analyze the science on the relationship between food waste and food packaging and serveware, including ways packaging may impact prevention and recycling of food waste or use and value of products created by recycling.*
- *Characterize and analyze the science on risks and problems posed by contaminants, such as PFOS, PFAS, film plastics and persistent herbicides, in food waste streams.*
- *Identify and evaluate trends in the U.S. food system that may impact food waste and summarize what has been written about their potential impacts.*

Specific requirements of this task:

- 5.1 Outline for State of the Science Report: A draft outline of the report shall be provided to the COR for review and comment by EPA. A final outline shall be submitted following incorporation of EPA comments.

5.2 State of the Science Report: A draft of the report shall be provided to the COR for review and comment by EPA. A final report shall be submitted following incorporation of EPA comments.

Deliverables:

Draft State of the Science Report Outline

Final State of the Science Report Outline

Draft State of the Science Report

Final State of the Science Report

Task 6: Issue papers

The objective of this task is to create papers on 5 to 7 specific food waste or food waste prevention topics. The specific topics to be covered will be provided to the contractor by the EPA COR through technical direction. The papers will serve as stand-alone documents delving into the research and state of practice on key issues identified through Tasks 3 and 4 of this TO. The purpose of the papers is to inform EPA's food waste research agenda and to succinctly present the state of science and state of practice on specific approaches to meeting the goal of reducing per capita food waste by 50%. The contractor shall prepare 5 to 7 papers of approximately 8 pages each excluding bibliographies and technical appendices. The contractor shall provide a draft of each paper to EPA for review and comment. After incorporating EPA comments, the contractor shall provide a final version of each paper. The papers shall be written in a manner suitable for release to external audiences.

Specific requirements of this task:

6.1 Issue Papers: The contractor shall prepare 5 to 7 papers on specific food waste or food waste prevention topics.

Deliverables:

Draft Issue Papers

Final Issue Papers

Task 7: Workshop Support

The objective of this task is to assist EPA in holding a workshop with multiple experts and stakeholders to explore promising areas of possible future EPA research to reduce food waste in the U.S. The contractor shall furnish logistic support for this meeting projected to be held in federally owned space in Washington, D.C. in early 2020. EPA will locate and reserve the space for the workshop. The meeting will run 8:00 a.m. to 5:30 p.m. The estimated number of attendees is 35. Subtasks include the following:

- a. Reserve a block of hotel rooms (approximately 20) – 4 weeks in advance of meeting
- b. Create a registration website with logistics and agenda for attendees – 4 weeks in advance of meeting
- c. Prepare information packets for attendees to include copies of presentations, agendas, etc. – 1 day in advance of meeting
- d. Provide a meeting coordinator in-person on the day of the meeting to provide logistical assistance
- e. Prepare a list of meeting attendees with contact information for post-meeting networking – 5 days after the meeting

Specific requirements of this task:

- 7.1 Workshop registration website – 4 weeks in advance of meeting
- 7.2 Workshop materials packet -- 1 day in advance of the meeting
- 7.3 List of meeting attendees with contact information – 5 days after meeting

Deliverables:

Workshop registration website

Workshop materials packet

IV. ANTICIPATED DELIVERABLES

All products by the Contractor must be of high quality, written in a clear concise style, with a logical organization and presentation. Deliverables shall be provided to EPA in electronic formats compatible with EPA-supported software (e.g., Excel spreadsheets, Word documents, BMDS accessory files [*.d), *.out, *.opt, *.ssn]).

V. DELIVERABLES AND SCHEDULE

Task 1. Initial Conference Call	3 days after award of Work Assignment
Task 2. Staffing Plan, and QAPP	15 days after award
Task 3. Literature Review	
Task 3.1 – Literature Review Methodology	
• Literature Review Methodology	2 weeks from completion of Task 2
Task 4. Expert Interviews	
Task 4.1 – Expert interview plan	
• Expert Interview Plan	2 weeks from completion of Task 3
• Detailed notes from interview	5 weeks from completion of Task 3
Task 5. State of the Science Report	
Task 5.1 – Summary Report Outline	
• Draft Outline	2 weeks from completion of Task 4
• Final Outline	1 week from receipt of EPA comments on draft outline
Task 5.2 – State of the Science Report	
• Draft Report	4 weeks from completion of Task 5.1
• Final Report	2 weeks from receipt of EPA comments on draft report
Task 6. Issue Papers	
Task 6.1	
• Draft Issue Papers	12 weeks from completion of Task 5
Task 6.2	

• Final Issue Papers	3 weeks from receipt of EPA comments on Task 6.1
Task 7. Workshop Support	
Task 7.1	
• Workshop registration website	4 weeks in advance of meeting
Task 7.2	
• Workshop materials packet	1 day in advance of the meeting
Task 7.3	
• List of meeting attendees with contact information	5 days after meeting

Note: All days are calendar days.

VI. MANAGEMENT CONTROLS

1. All deliverables shall be reviewed for conformance to the requirements of this TO before being approved as final.
2. The contractor shall comply with other applicable requirements for final TO reports stipulated in contract.

VII. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT

Guidance is strictly limited to technical and analytical support. The contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

Should the contractor receive any instruction from an EPA staff person that the contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or work assignment, the contractor shall immediately contact the PO, COR or CO.

VIII. SPECIAL CONDITIONS AND ASSUMPTIONS

The contractor shall hold a conference call with the EPA COR at the initiation of the TO and shall provide a bi-weekly update to the COR by telephone for the duration of the TO, in addition to the standard reporting requirements of the contract.

IX. EPA CONTACT INFORMATION

Copies of all correspondence pertaining to the performance of this work assignment shall be sent to the PO.

Task Order COR (COR):

Danielle Dixon

ORD-NPD-IOAA

dixon.danielle@epa.gov

919-541-2808

Appendix A

Quality Assurance Instructions for Contractors Citing Secondary Data

Section 515 of the Treasury and General Government Appropriations Act for fiscal year 2001 directed the Office of Management and Budget (OMB) to issue guidelines to all Federal agencies to ensure and maximize the quality, objectivity, utility, and integrity of the information they disseminate. This law and the OMB guidance subsequently issued in 67 FR 8452 (02/22/02) underscore the need for EPA/NCEA to assess the quality and credibility of the secondary research information cited in its assessment documents.

Secondary research information is defined as information that was originally produced for one purpose but is now being recompiled or reassessed for a different purpose. Secondary research information usually originates from such primary sources as journal articles, books, government and industry reports, databases, and models. The set of processes that follows serves as a guide to evaluate the strength of secondary data gathered from these primary sources.

The Contractors must list the sources for the references cited in his/her document chapters or sections. The source list will include but not be limited to the names of any commercially available or local databases searched by computer or by hand, the search terms and search strategy used, and the time period of the search. List any print sources like books or journal articles which provided references. List any sources of raw data.

After fully reporting all reference sources, identify the most relevant information or key studies among the references you cite and critically evaluate them. Key studies are those most crucial or pivotal to answer the research questions for the project. The key study may have positive or negative results and may even be all that is currently available on the research topic, but the key study is integral to any discussion of the topic. Sometimes, the key study is not recognizable until all of the literature is gathered and evaluated. Key studies should exhibit at least most of the general attributes defined below:

FOCUS: the work not only addresses the area of inquiry under consideration but also contributes to its understanding;

VERIFY: the work is consistent with accepted knowledge in the field or, if not, the new or varying information is documented within the work; the work fits within the context of the literature and is intellectually honest and authentic;

INTEGRITY: Is the work structurally sound? In a piece of research, is the design or research rationale logical and appropriate?

RIGOR: the work is important, meaningful, and non-trivial relative to the field and exhibits enough depth of intellect rather than superficial or simplistic reasoning;

UTILITY: the work is useful and professionally relevant; it contributes to the field in terms of the practitioners' understanding or decision-making on the topic.

CLARITY: Is it written clearly and appropriately for the nature of the study?

Use the check list on the following page to evaluate the key studies.

DATA CHECKLIST FOR EVALUATING A STUDY

1.) Bibliographic identification of the study.

Study Identifiers:

Author(s):

Title:

Study Citation:

Storage location (e.g., library, facility archive, personal archive):

2.) Why is the study key to the project? (For example, is the study an example of new research or confirmation of previous work? Is the study's population larger or followed for a longer period of time than before, is the methodology better than other studies or corrective of problems in previous studies, or do the results provide new insight into the problem?)

3.) Summarize the study structure and methodology. What sampling techniques and statistical tests are used?

4.) Potential problem areas in the study; consider: study design, factors occurring within and outside of the study which may affect its validity, sampling errors, and any other perceived weaknesses.

5.) Do any data used from sources outside of the study seem reliable and generally free of measurement error? Discuss and give examples.

6.) Evaluate the study in terms of the appropriateness of the analytical methodology. In responding, consider the following questions:

Are research questions clearly stated; dependent and independent variables clearly defined?

Do the authors explain the type of data obtained from measures of the variables?

Are statistical methods adequately described; are they justified?

Is a source provided for the any statistical software used to analyze the data?

Is the purpose of the analysis clear?

Are any scoring systems described?

Are potential confounders adequately controlled for in the analysis?

Are analytic specifications of the variables consistent with the evaluation questions or hypotheses under study?

Is the unit of analysis specified clearly?

If statistical tests are used to determine comparability or difference, are p values provided; is the practical significance of these findings, as contrasted with the statistical significance, discussed?

7.) Evaluate the study's results. Consider the following questions:

Are study questions (objectives, hypotheses) clear?

Are all study questions answered?

Are negative findings presented?

Are missing data explained?

Are text and tables, figures, and graphs consistent?

8.) Evaluate the study's conclusions. Consider the following questions:

Are the conclusions based on the study's data in that findings are applied only to the sample that was included in the research?

When the authors compare their findings with those from another study, do the authors demonstrate the similarity of the two studies?

Does the author discuss limitations of design, sampling, data collection, etc.?

To what extent do the limitations affect one's confidence in the conclusions?

9.) How strong is the study, overall; relative to other similar studies? Do its weaknesses jeopardize its being a key study, or is it usable despite the reservations?

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 4	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-ORD-20-00074	
6. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		7. ADMINISTERED BY (If other than Item 6) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0306	
				10B. DATED (SEE ITEM 13) 09/17/2019	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$77,914.65
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DANIELLE DIXON Max Expire Date: 09/16/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this modification is to add funding in order to increase the LOE requirement which will cover a short fall of the effort.

Total Amount for this Modification: \$77,914.65

New Total Amount for this Award: \$347,439.65

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 11/20/2019

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0306/P00001	PAGE	OF
		2	4

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0002	<p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Period of Performance: 09/17/2019 to 09/16/2020</p> <p>Increase PR-ORD-19-01956, task order #0025 for an additional \$77,914.65. As stated in our comments on the Task Order Review Form, we believe ICF has underestimated the LOE that will be required for Tasks 3, 4, and 6 of the Task Order. Our reasons for this view are described below by task.</p> <p>Task 3. This task involves a review and analysis of the literature regarding U.S. food waste and food waste prevention with a focus on environmental impacts and considerations. The ICF proposal states that the literature search will retrieve approximately 1,000 references of which 300 will be chosen as potentially relevant sources to the state of the science report. We feel that both numbers are too low. The literature in this field has grown rapidly in recent years. In addition, there are a significant number of highly credible and important non peer reviewed references that should be considered in the review. A thorough review for creation of a State of the Science report covering the topics outlined in the Task Order would need to retrieve a substantially larger number of references. We would also expect the number of references chosen as relevant for the report would be much higher than the ICF estimate. We expect the literature review to include non-peer reviewed documents from credible sources, including EPA and other governmental sources as well as NGOs. It is possible that ICF did not factor these into their estimate.</p> <p>There should be more LOE at the P3 and P4 level in this task. The EPA statement of work included the following language in Task 3:</p> <p>¿The objective of this task is conduct complete literature searches to synthesize the state of the science about the food waste and prevention topics listed below as well as gaps in current science on those topics. When the literature</p> <p>Continued ...</p>				15,914.65

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	68HERC19D0003/68HERC19F0306/P00001	3	4

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>review finds conflicting or differing findings, the contractor shall analyze and synthesize the conflicting information. The literature review shall also identify areas where answers to research questions do not exist.;</p> <p>The analysis and synthesis of the literature will need substantial time from personnel with more experience and expertise than is currently included in the proposal. The analysis and synthesis will require the ability to piece together information from more than one source to draw conclusions or understand and present conflicting findings in the literature. This language was included in Task 3 specifically because the outcome should be more than just a summarization of current literature, but rather, an expert analysis of what the body of literature means on each of the topic areas included in the Task Order.</p> <p>Accounting Info: 19-20-C-26RR000-000FK8XPV-2532-26A5C-2026RRC005-002 BFY: 19 EFY: 20 Fund: C Budget Org: 26RR000 Program (PRC): 000FK8XPV Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026RRC005-002 Funding Flag: Complete Funded: \$15,914.65</p>				
0005	<p>Increase PR-ORD-19-01956, task order #0025 for an additional \$77,914.65. As stated in our comments on the Task Order Review Form, we believe ICF has underestimated the LOE that will be required for Tasks 3, 4, and 6 of the Task Order. Our reasons for this view are described below by task.</p> <p>Task 3. This task involves a review and analysis of the literature regarding U.S. food waste and food waste prevention with a focus on environmental impacts and considerations. The ICF proposal states that the literature search will retrieve approximately 1,000 references of which 300 will be chosen as potentially relevant sources to the state of the science report. We feel that both numbers are too low. The literature in this field has grown rapidly in recent years. In addition, there are a significant number of highly credible and important non peer reviewed references that should be considered in the review. A thorough review for creation of a State of the Science Continued ...</p>				62,000.00

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0306/P00001	PAGE	OF
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NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>report covering the topics outlined in the Task Order would need to retrieve a substantially larger number of references. We would also expect the number of references chosen as relevant for the report would be much higher than the ICF estimate. We expect the literature review to include non-peer reviewed documents from credible sources, including EPA and other governmental sources as well as NGOs. It is possible that ICF did not factor these into their estimate.</p> <p>There should be more LOE at the P3 and P4 level in this task. The EPA statement of work included the following language in Task 3:</p> <p>¿The objective of this task is conduct complete literature searches to synthesize the state of the science about the food waste and prevention topics listed below as well as gaps in current science on those topics. When the literature review finds conflicting or differing findings, the contractor shall analyze and synthesize the conflicting information. The literature review shall also identify areas where answers to research questions do not exist.¿</p> <p>The analysis and synthesis of the literature will need substantial time from personnel with more experience and expertise than is currently included in the proposal. The analysis and synthesis will require the ability to piece together information from more than one source to draw conclusions or understand and present conflicting findings in the literature. This language was included in Task 3 specifically because the outcome should be more than just a summarization of current literature, but rather, an expert analysis of what the body of literature means on each of the topic areas included in the Task Order.</p> <p>Accounting Info: 19-20-C-26RR000-000FK6XR1-2532-26A5C-2026RRC005-001 1 BFY: 19 EFY: 20 Fund: C Budget Org: 26RR000 Program (PRC): 000FK6XR1 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 2026RRC005-001 Funding Flag: Complete Funded: \$62,000.00</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-ORD-20-01465	
6. ISSUED BY HPOD		7. ADMINISTERED BY (If other than Item 6) CPD		5. PROJECT NO. (If applicable)	
HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CPD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO.	
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0306	
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 09/17/2019	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Increase: \$150,000.00
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DANIELLE DIXON Max Expire Date: 09/16/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this modification will be to add funding to this task order in order to complete the work due to the understated LOE that was required for tasks 3, 4 and 5.

Total Amount for this Modification: \$150,000.00

Obligated Amount for this Modification: \$150,000.00

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		William M. Yates	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		ELECTRONIC SIGNATURE (Signature of Contracting Officer)	07/16/2020

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0306/P00002	PAGE	OF
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NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Obligated Amount for this Award: \$497,439.65</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$250,000.00 to \$400,000.00 Obligated Amount for this Modification: \$150,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-C-2633000-000FK8XPW-2532-26A5C-202633E008-001 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) C Budget Organization 2633000 Program (PRC) 000FK8XPW Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A5C DCN-LineID 202633E008-001</p> <p>Amount: \$150,000.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2020</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CODE HPOD		7. ADMINISTERED BY (If other than Item 6) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CPOD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0306			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 09/17/2019			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) DUNS Number: 072648579 TOCOR: DANIELLE DIXON Max Expire Date: 09/16/2021 LIST OF CHANGES: Reason for Modification: The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020 to incorporate FAR clause 52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment and to extend the end date of the POP to 09/16/2021. Period Of Performance End Date changed from 16-SEP-20 to 16-SEP-21 Continued ... Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)		16C. DATE SIGNED 09/17/2020	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0306/P00003	PAGE	OF
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NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Maximum Potential Expiration Date changed to : 09/16/2021</p> <p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Period of Performance: 09/17/2019 to 09/16/2021</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY HPOD		7. ADMINISTERED BY (If other than Item 6) CP0D	
HPOD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460		CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0306	
				10B. DATED (SEE ITEM 13) 09/17/2019	
CODE 072648579		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DANIELLE DIXON Max Expire Date: 09/16/2021

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/07/2020

Previous edition unusable

NAME OF OFFEROR OR CONTRACTOR
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 09/17/2019 to 09/16/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		7. ADMINISTERED BY (If other than Item 6)		CODE			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

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STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)